

<110> Andrew D. MURDIN, Raymond P. OOMEN, Joe WANG, Pamela DUNN  
<120> Chlamydia antigens and corresponding DNA fragments and uses thereof  
<130> 77813-9

<141>

<151> 1999-03-12

<160> 4

<170> PatentIn Ver. 2.0

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$\langle 211 \rangle$  2111

<212> DNA

<213> Chlamydia pneumoniae

$\langle 220 \rangle$

<221> CDS

<222> (139) .. (1809)

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Met Ser Lys Leu Ile Arg Arg Val Val Thr Val  
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Leu Ala Leu Thr Ser Met Ala Ser Cys Phe Ala Ser Gly Gly Ile Glu  
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gcc gct gta gca gag tct ctg att act aag atc gtc gct agt gcg gaa 267  
Ala Ala Val Ala Glu Ser Leu Ile Thr Lys Ile Val Ala Ser Ala Glu  
30 35 40

aca aag cca gca cct gtt cct atg aca gcg aag aag gtt aga ctt gtc 315  
Thr Lys Pro Ala Pro Val Pro Met Thr Ala Lys Lys Val Arg Leu Val  
45 50 55

cgt aga aat aaa caa cca gtt gaa caa aaa agc cgt ggt gct ttt tgt 363  
Arg Arg Asn Lys Gln Pro Val Glu Gln Lys Ser Arg Gly Ala Phe Cys  
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80 85 90









gcgccggatc cgatacacgt gggatatttc tgtg 34